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TECH CENTER 1600/2900

PAGE: 1

0000 1013  
RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662

OIPE

DATE: 03/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

PTTY

PS  
ENTERED

1 <110> APPLICANT: Serizawa, Nobufusa  
2 Haruyama, Hideyuki  
3 Nakahara, Kaori  
4 Tamaki, Ikuko  
5 Takahashi, Tohru  
6 <120> TITLE OF INVENTION: Anti-Fas Antibodies  
7 <130> FILE REFERENCE: 980126CIP/HG  
8 <140> CURRENT APPLICATION NUMBER: US/09/499,662  
9 <141> CURRENT FILING DATE: 2000-02-09  
10 <150> EARLIER APPLICATION NUMBER: US 09/053,583  
11 <151> EARLIER FILING DATE: 1998-04-01  
12 <160> NUMBER OF SEQ ID NOS: 165  
13 <210> SEQ ID NO 1  
14 <211> LENGTH: 10  
15 <212> TYPE: PRT  
16 <213> ORGANISM: Homo sapiens  
17 <400> SEQUENCE: 1  
18 Arg Thr Gln Asn Thr Lys Cys Arg Cys Lys  
19 1 5 10  
20 <210> SEQ ID NO 2  
21 <211> LENGTH: 5  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Mus musculus  
24 <400> SEQUENCE: 2  
25 Ser Tyr Trp Met Gln  
26 1 5  
27 <210> SEQ ID NO 3  
28 <211> LENGTH: 17  
29 <212> TYPE: PRT  
30 <213> ORGANISM: Mus musculus  
31 <400> SEQUENCE: 3  
32 Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe Lys  
33 1 5 10 15  
34 Gly  
35 <210> SEQ ID NO 4  
36 <211> LENGTH: 12  
37 <212> TYPE: PRT  
38 <213> ORGANISM: Mus musculus  
39 <400> SEQUENCE: 4  
40 Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp Val  
41 1 5 10  
42 <210> SEQ ID NO 5  
43 <211> LENGTH: 15  
44 <212> TYPE: PRT

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PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662DATE: 03/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

45 <213> ORGANISM: Mus musculus  
46 <400> SEQUENCE: 5  
47 Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Met Asn  
48 1 5 10 15  
49 <210> SEQ ID NO 6  
50 <211> LENGTH: 7  
51 <212> TYPE: PRT  
52 <213> ORGANISM: Mus musculus  
53 <400> SEQUENCE: 6  
54 Ala Ala Ser Asn Leu Glu Ser  
55 1 5  
56 <210> SEQ ID NO 7  
57 <211> LENGTH: 9  
58 <212> TYPE: PRT  
59 <213> ORGANISM: Mus musculus  
60 <400> SEQUENCE: 7  
61 Gln Gln Ser Asn Glu Asp Pro Arg Thr  
62 1 5  
63 <210> SEQ ID NO 8  
64 <211> LENGTH: 1392  
65 <212> TYPE: DNA  
66 <213> ORGANISM: Mus musculus  
67 <220> FEATURE:  
68 <221> NAME/KEY: CDS  
69 <222> LOCATION: (1)..(1392)  
70 <220> FEATURE:  
71 <221> NAME/KEY: mat peptide  
72 <222> LOCATION: (58)..(1392)  
73 <220> FEATURE:  
74 <221> NAME/KEY: sig peptide  
75 <222> LOCATION: (1)..(57)  
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77 atg gga tgg agc tgt atc atc ctc ttc ttg gta gca aca gct aca ggt 48  
78 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly  
79 -15 -10 -5  
80 gtc cat tct cag gtc caa ctg cag cag cct ggg gct gag ctt gtg aag 96  
81 Val His Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys  
82 -1 1 5 10  
83 cct ggg gct tca gtg aag ctg tcc tgc aag gct tct ggc tac acc ttc 144  
84 Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
85 15 20 25  
86 acc agc tac tgg atg cag tgg gta aaa cag agg cct gga cag ggc ctt 192  
87 Thr Ser Tyr Trp Met Gln Trp Val Lys Gln Arg Pro Gly Gln Gly Leu  
88 30 35 40 45  
89 gag tgg atc gga gag att gat cct tct gat agc tat act aac tac aat 240  
90 Glu Trp Ile Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn  
91 50 55 60  
92 caa aag ttc aag ggc aag gcc aca ttg act gta gac aca tcc tcc agc 288  
93 Gln Lys Phe Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser  
94 65 70 75

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PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662TECH CENTER 2020  
DATE: 05/08/2000  
TIME: 11:52:58

Input Set: I499662.RAW

95	aca gcc tac atg cag ctc agc agc ctg aca tct gag gac tct gcg gtc	336
96	Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val	
97	80 85 90	
98	tat tac tgt gca aga aat agg gac tat agt aac aac tgg tac ttc gat	384
99	Tyr Tyr Cys Ala Arg Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp	
100	95 100 105	
101	gtc tgg ggc aca ggg acc acg gtc acc gtc tcc tca gcc aaa acg aca	432
102	Val Trp Gly Thr Gly Thr Val Thr Val Ser Ser Ala Lys Thr Thr	
103	110 115 120 125	
104	ccc cca tct gtc tat cca ctg gcc cct gga tct gct gcc caa act aac	480
105	Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn	
106	130 135 140	
107	tcc atg gtg acc ctg gga tgc ctg gtc aag ggc tat ttc cct gag cca	528
108	Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro	
109	145 150 155	
110	gtg aca gtg acc tgg aac tct gga tcc ctg tcc agc ggt gtg cac acc	576
111	Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr	
112	160 165 170	
113	ttc cca gct gtc ctg cag tct gac ctc tac act ctg agc agc tca gtg	624
114	Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val	
115	175 180 185	
116	act gtc ccc tcc agc acc tgg ccc agc cag acc gtc acc tgc aac gtt	672
117	Thr Val Pro Ser Ser Thr Trp Pro Ser Gln Thr Val Thr Cys Asn Val	
118	190 195 200 205	
119	gcc cac ccc gcc agc agc acc aag gtg gac aag aaa att gtg ccc agg	720
120	Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg	
121	210 215 220	
122	gat tgt ggt tgt aag cct tgc ata tgt aca gtc cca gaa gta tca tct	768
123	Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser	
124	225 230 235	
125	gtc ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc att act ctg	816
126	Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu	
127	240 245 250	
128	act cct aag gtc acg tgt gtt gtg gta gac atc agc aag gat gat ccc	864
129	Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro	
130	255 260 265	
131	gag gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg cac aca gct	912
132	Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala	
133	270 275 280 285	
134	cag acg caa ccc cgg gag gag cag ttc aac agc act ttc cgc tca gtc	960
135	Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val	
136	290 295 300	
137	agt gaa ctt ccc atc atg cac cag aac tgg ctc aat ggc aag gag ttc	1008
138	Ser Glu Leu Pro Ile Met His Gln Asn Trp Leu Asn Gly Lys Glu Phe	
139	305 310 315	
140	aaa tgc agg gtc aac agt gca gct ttc cct gcc ccc atc gag aaa acc	1056
141	Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr	
142	320 325 330	
143	atc tcc aaa acc aaa ggc aga ccg aag gct cca cag gtg tac acc att	1104
144	Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile	

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662DATE: 03/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

145	335	340	345	
146	cca cct ccc aag gag cag atg gcc aag gat aaa gtc agt ctg acc tgc			1152
147	Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys			
148	350	355	360	365
149	atg ata aca gac ttc ttc cct gaa gac att act gtg gag tgg cag tgg			
150	Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp			
151	370	375	380	
152	aat ggg cag cca gcg gag aac tac aag aac act cag ccc atc atg aac			1248
153	Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asn			
154	385	390	395	
155	acg aat ggc tct tac ttc gtc tac agc aag ctc aat gtg cag aag agc			1296
156	Thr Asn Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser			
157	400	405	410	
158	aac tgg gag gca gga aat act ttc acc tgc tct gtg tta cat gag ggc			1344
159	Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly			
160	415	420	425	
161	ctg cac aac cac cat act gag aag agc ctc tcc cac tct cct ggt aaa			1392
162	Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys			
163	430	435	440	445
164	<210> SEQ ID NO 9			
165	<211> LENGTH: 464			
166	<212> TYPE: PRT			
167	<213> ORGANISM: Mus musculus			
168	<400> SEQUENCE: 9			
169	Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly			
170	-15	-10	-5	
171	Val His Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Glu Leu Val Lys			
172	-1 1 5 10			
173	Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe			
174	15 20 25			
175	Thr Ser Tyr Trp Met Gln Trp Val Lys Gln Arg Pro Gly Gln Gly Leu			
176	30 35 40 45			
177	Glu Trp Ile Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn			
178	50 55 60			
179	Gln Lys Phe Lys Gly Lys Ala Thr Leu Thr Val Asp Thr Ser Ser Ser			
180	65 70 75			
181	Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val			
182	80 85 90			
183	Tyr Tyr Cys Ala Arg Asn Arg Asp Tyr Ser Asn Asn Trp Tyr Phe Asp			
184	95 100 105			
185	Val Trp Gly Thr Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr			
186	110 115 120 125			
187	Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn			
188	130 135 140			
189	Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro			
190	145 150 155			
191	Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr			
192	160 165 170			
193	Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val			
194	175 180 185			

PAGE: 5

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/499,662DATE: 03/02/2000  
TIME: 11:52:58

Input Set: I499662.RAW

195 Thr Val Pro Ser Ser Thr Trp Pro Ser Gln Thr Val Thr Cys Asn Val  
 196 190 195 200 205  
 197 Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg  
 198 210 215 220  
 199 Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val Ser Ser  
 200 225 230 235  
 201 Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile Thr Leu  
 202 240 245 250  
 203 Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp Asp Pro  
 204 255 260 265  
 205 Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His Thr Ala  
 206 270 275 280 285  
 207 Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Ser Val  
 208 290 295 300  
 209 Ser Glu Leu Pro Ile Met His Gln Asn Trp Leu Asn Gly Lys Glu Phe  
 210 305 310 315  
 211 Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu Lys Thr  
 212 320 325 330  
 213 Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr Thr Ile  
 214 335 340 345  
 215 Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser Leu Thr Cys  
 216 350 355 360 365  
 217 Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu Trp Gln Trp  
 218 370 375 380  
 219 Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro Ile Met Asn  
 220 385 390 395  
 221 Thr Asn Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val Gln Lys Ser  
 222 400 405 410  
 223 Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu His Glu Gly  
 224 415 420 425  
 225 Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser Pro Gly Lys  
 226 430 435 440 445  
 227 <210> SEQ ID NO 10  
 228 <211> LENGTH: 714  
 229 <212> TYPE: DNA  
 230 <213> ORGANISM: Mus musculus  
 231 <220> FEATURE:  
 232 <221> NAME/KEY: CDS  
 233 <222> LOCATION: (1)..(714)  
 234 <220> FEATURE:  
 235 <221> NAME/KEY: mat peptide  
 236 <222> LOCATION: (61)..(714)  
 237 <220> FEATURE:  
 238 <221> NAME/KEY: sig peptide  
 239 <222> LOCATION: (1)..(60)  
 240 <400> SEQUENCE: 10  
 atg gag aca gac aca atc ctg cta tgg gtg atg atg ctc tgg att cca 48  
 Met Glu Thr Asp Thr Ile Leu Leu Trp Val Met Met Leu Trp Ile Pro  
 242 -20 -15 -10 -5  
 243 ggc tcc act ggt gac att gtg ctg acc caa tct cca gct tct ttg gct 96

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.



PAGE: 6.

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/499,662

DATE: 03/02/2000

TIME: 11:52:58

Input Set: I499662.RAW

Line ? Error/Warning

Original Text

370 W "N" or "Xaa" used: Feature required  
2122 W Invalid/Missing Amino Acid Numbering  
2851 W Invalid/Missing Amino Acid Numbering  
3083 W Invalid/Missing Amino Acid Numbering  
3315 W Invalid/Missing Amino Acid Numbering

Gln Xaa Gln Leu Gln Gln Pro Gly Ala Glu L